

SPRYSKOV, A.A.; SOLODUSHENKOV, S.N.; KLYUYEV, V.N.

Preparation of symmetric 4,4'-dinitrocarbanilides. Zhur.prikl.khim.
30 no.7:1065-1070 J1 '57. (MIRA 10:10)

1.Ivanovskiy khimiko-tekhnologicheskoy institut.
(Carbanilide)

KLYUYEV, V.N.; SPHYSKOV, A.A.; SOLODUSHENKOV, S.N.

Preparation of aminocarbanilides. Zhur. prikl. khim. 30 no.11:1672-
1677 N '57. (MIRA 11:2)

1. Ivanovskiy khimiko-tehnologicheskoy institut.
(Garbanilide)

CHUMAROV, Yuriy Ivanovich, kand. khim. nauk; SOLOVUSHENKOV, S.N.,
kan. khim. nauk, retsenzent

[Pyridine bases] Piridinovye osnovaniia. Kiev, Tekhnika,
1965. 190 p. (MIRA 18:12)

SOŁODUSZKIEWICZ, Antoni, inż.

Joining a cast-iron liner with an aluminum alloy cylinder body
using the immersion method. Przegl odlew 12 no.7:211-212
Jl '62.

ACC NR. AP6029834

(A)

SOURCE CODE: UR/0073/66/032/008/0849/0852

AUTHOR: Yagupol'skiy, L. M.; Pavlenko, N. G.; Solodushonkov, S. N.; Fialkov, Yu. A.

ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Nitro derivatives of benzotrichloride

SOURCE: Ukrainskiy khimicheskij zhurnal, v. 32, no. 8, 1966, 849-852

TOPIC TAGS: organic nitro compound, halogenated organic compound, mixed halogenated organic compound

ABSTRACT: An attempt was made to find new methods of preparing nitro derivatives of benzotrichloride. Nitration of benzotrichloride was carried out by using pure nitric acid and nitrating mixtures of various compositions. With HNO_3 alone, taken in amounts of 10-30 moles per mole of benzotrichloride, even at -20°C a considerable hydrolysis of the trichloromethyl group takes place, and the yield of the products, a mixture of isomeric nitrobenzotrichlorides, does not exceed 30%. The optimum nitrating mixture consists of 25% HNO_3 and 75% H_2SO_4 (by weight), 3 moles of HNO_3 being taken for 1 mole of benzotrichloride. The yield of isomeric nitrobenzotrichlorides then exceeds 90%, and the isomers consist of 16.8% ortho-, 20.7% para- and 62.5% meta-nitro derivatives. Fluorination of p-nitro- α,α,α -dichlorobromotoluene with antimony trifluoride and anhydrous HF produced p-nitrobenzotrifluoride in good yield. The substitution of fluorine

Card 1/2

UDC: 547.539.232.3

L 26914-65 EWP(e)/EWT(m)/EPF(n)-2/EWG(m)/EWP(t)/EWP(b) Pu-4 IJP(c) JD/DM

ACCESSION NR: AP5004010

S/0089/65/018/001/0069/0070

AUTHORS: Gromov, B. F.; Pankratov, D. V.; Solodyankin, M. A.; Sokolov, M. M. 25
21
B

TITLE: Reduction of the capture gamma radiation from structural reactor materials by screening the materials with boron-containing screens 27

SOURCE: Atomnaya energiya, v. 18, no. 1, 1965, 69-70

TOPIC TAGS: reactor shielding, ¹⁹capture gamma radiation, boron shielding

ABSTRACT: The authors point out that earlier experimentally determined coefficients expressing the decrease in the intensity of capture gamma rays from reactor construction materials were obtained for only one particular case, where the gamma detector was located at approximately half the mean free path from the surface of the

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L 26914-65

ACCESSION NR: AP5004010

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source, whereas the coefficient of reduction of the capture gamma dose (blocking coefficient) was really a function of the thickness between the source and detector. They have calculated with an electronic computer the spatial and energy distributions in steel screens and in the reactor shell using an 18-group method in the P_2 approximation, for the case of a reactor with and without a boron-containing screen. It has been shown earlier that leakage of neutrons gives rise to capture gammas in the reactor shell, which increases the gamma level outside the reactor. The calculations show that the decrease in the capture gamma radiation is quite rapid until a value of 4 mean free paths is reached, after which the coefficient becomes independent of the thickness. "The authors thank S. G. Tsykin and Yu. A. Kazanskiy for interest in the work and for critical remarks." Orig. art. has: 2 figures and 1 formula.

ASSOCIATION: None

Card

2/3

L 26914-65

ACCESSION NR: AP5004010

SUBMITTED: 02Jan64

ENCL: 00

SUB CODE: NP

NR REF SOV: 003

OTHER: 000

Card

3/3

L 5001-65 EWT(m) DIAAP DM
ACC NR: AP5022639

UR/0089/65/019/002/0179/0180

AUTHOR: Gromov, B. F.; Yermakov, S. M.; Kazarnikova, Ye. Ye.;
Solodyankin, M. A.

26
B

TITLE: Angular and energy distribution of gamma radiation on the surface of a volume source

SOURCE: Atomnaya energiya, v. 19, no. 2, 1965, 179-180

TOPIC TAGS: nuclear reactor, gamma radiation, nuclear physics apparatus

ABSTRACT: Many layers of material are usually placed in nuclear reactors between the reactive core itself and the outside surface of the shield. Therefore, various attenuation processes must be taken into account in calculations of biological shielding. The authors investigated the angular and energy distribution of gamma radiation on the outside surface of the reactor. The results of their research are given for two cases. In one case, the reactor vessel was protected in water by a boron shield while in the other case no boron shielding was provided. The Monte Carlo method was used for calculations by means of M-20 electronic computing machine. It was assumed, that the gamma rays were generated at the initial energy levels of 2, 3, 4, 5, 6 and 7 Mev.

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UDC: 539.122:539.121.73:539.121.64

09010 144

1/00-00

ACC NR: AP5022639

The greatest statistical error after 12000 tests was less than 25% for angular and 20% for energy distributions. The distributions applied to two above mentioned cases and seven energy levels were illustrated by two sets of histograms. The attenuation of 7 Mev gamma radiations in lead shields was also analyzed. The results of this analysis expressed in dose rates were tabulated and graphically illustrated.

ASSOCIATION: None

SUBMITTED: 20Mar65

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 000

Card 2/2/12

L 37686-66 EEC(k)-2/EWT(1)/T IJF(c)

ACC NR: AT6021246

SOURCE CODE: UR/3217/65/000/001/0116/0118

AUTHOR: Dolgin, V. P. (Engineer); Novozhenin, N. N. (Engineer); Solodyankin, Yu. I. (Engineer)

ORG: none

TITLE: One type of double diode

B+1

SOURCE: Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Priborostroyeniye, no. 1, 1965, 116-118

TOPIC TAGS: chemotron, solion

ABSTRACT: The development of a new chemotron¹⁵ double diode (see Fig.1) is reported.

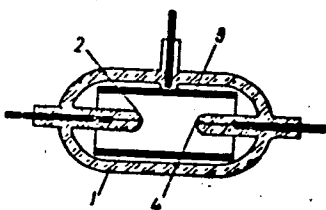


Fig. 1. New chemotron double diode

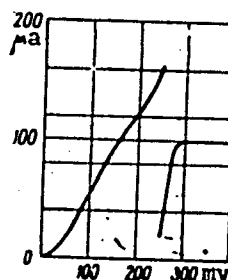


Fig. 2. I-V characteristic

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L 37686-66

ACC NR: AT6021246

Glass envelope 1 houses 0.1-mm Pt-wire anodes 2, 4 and 300-mm² Pt-screen cathode 3. The diode is filled with a 0.001 HI₂ and 2HKI solution. Its I-V characteristic (see Fig.2) has a jump at 250 mv with a maximum current of 165 μ a; rectification factor, 2222 at ± 170 mv. The sustained maximum diffusion current is 100 μ a or less at applied voltages within 270—900 mv. The new diode has been used in an infralow-frequency multivibrator. Orig. art. has: 4 figures. [03]

SUB CODE: 09 / SUBM DATE: 09Feb66 / ORIG REF: 003 / ATD PRESS: 5041

Card 2/2

BONCH-BRUYEV, N., ed.; PITIRINOV, V., red. · BELYAYEV, O.,
ed.; MIRYUKOV, G., red.; RUMYANTSEVA, V., red.;
SLOBOZANNIKOV, A., red.; TRAKHTENBERG, G., red.

[Give way to the new and the advanced] Dorogu novomu,
pobedivomu. Kirov, Izd-vo "Kirovskaya Pravda, 1961. 58 p.
(MIRA 18:3)

1. Obshchestvo po rasprostraneniyu politicheskikh i nauch-
nykh znaniy RSFSR. Kirovskoye oblastnoye otdeleniye.

SOLODYAZHIKOV, Nikolay Nikolayevich; IVANOV, B.I., redaktor; VORONITSKAYA,
L.V., tekhnicheskij redaktor.

[Radar] Radiolokatsiya. Moskva, Gos. energ. izd-vo, 1956. 471 p.
(Radar) (MLRA 9:5)

SOLODYUK, N.F.

The concept of conditioned reflex during the past 50 years. Medych.
zhur. 22 no.3:99-100 '52. (MIRA 11:2)
(CONDITIONED RESPONSE)

Scientific works and periodicals of institutes of the
Department of Molecular Biology. A.M. Ivanichnyy,
M.V. Golovinskiy. Voprosy in USSR 24 no.1:77-78 Jan '92.

SOLODYUK, N.F.

KAVETSKIY, R.Ye., redaktor; VOROB'YEV, A.M., professor, redaktor; PUCHKOV-SKAYA, N.A., st. nauchnyy sotrudnik; SOLODYUK, N.F., st. nauchnyy sotrudnik; VOYNO-YASENETSKIY, V.V., nauchnyy sotrudnik; MARCHENKO, L.D., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Tissue therapy; biogenic stimulators; corneal transplantation]
Tkanevaia terapiia. Biogennye stimulatory. Peresadka rogovitsy.
Kiev, Izd-vo Akademii nauk Ukr. SSR, 1953. 306 p. [Microfilm]
(MLRA 7:10)

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(Tissue extractions)
(Transplantation (Physiology))

KAVETS'KIY, R.Ye.; SOLODYUK, N.F.; KRASNOVS'KA, M.S.

Role of the type of nervous system in individual peculiarities of
the body's compensatory reactions [with summary in English].
Fiziol.zhur. [Ukr.] 3 no.5:18-28 S-O '57. (MIRA 11:1)

1. Institut fiziologii im. O.O.Bogomol'tsya Akademii nauk URSR,
laboratoriya kompensatornikh i zakhisnikh funktsiy.
(TEMPERAMENT) (PHYSIOLOGY)

SOLODYUK, N.F. [Solodiuk, N.F.]

Characteristics of certain metabolic reactions in dogs with different types of nervous system [with summary in English]. Fiziol. zhur. [Ukr.] 4 no.2:143-148 Mr-Apr '58. (MIRA 11:5)

1. Institut fiziologii im. O.O. Bogomol'tsa AN URSR, laboratoriya kompensatornikh i zakhisnikh funktsiy.
(TEMPERAMENT) (METABOLISM)

SCLODYUK, N.P.

Restoration of blood protein composition following loss of blood
in dogs with different types of higher nervous activity [with
summary in English]. Fiziol.zhur. [Ukr.] 4 no.3:333-338 My-Je '58
(MIRA 11:7)

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kompensatornikh i zakhisnikh funktsiy.
(BLOOD PROTEINS)
(TEMPERAMENT)

SOLODYUK, N.F.

Restoration of the blood protein fraction following starvation
in dogs with different types of nervous systems [with summary
in English]. *Fiziol.zhur.* [Ukr] 4 no.4:450-455 J1-Ag '58 (MIRA 11:10)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR, laboratoriya
vosstanovitel'nykh i zashchitnykh funktsiy.
(BLOOD PROTEINS)
(FASTING)

SOLODYUK, N. F. Doc Med Sci -- (diss) "Restoration of the protein and morphological composition of the blood after hemorrhage and starvation, in dogs with various types of ^{the} nervous system." Kiev, 1959. 16 pp
(Acad Sci UkSSR. Department of Biol Sci), 225 copies (KL, 49-59, 142)

SOLODYUK, N.F.

Restoration of the protein function of the liver after fasting
in dogs with different types of the higher nervous activity.
Fiziol.zhur.[Ukr.] 5 no.1:53-57 Jan '59. (MIRA 12:5)
(NERVOUS SYSTEM) (LIVER) (BLOOD PROTEINS)

KAVETSKIY, Rostislav Yevgen'yevich, akademik; SOLODYUK, Nadezhda
Filimonovna; VOVK, Semen Ivanovich; KRASNOVSKAYA, Marian
Solomonovna; DZGUYEVA, Tamara Aleksandrovna; YANKOVSKAYA,
Z.B., red.izd-va; LISOVETS, A.N., tekhn. red.

[Body reactivity and the type of nervous system] Reaktivnost'
organizma i tip nervnoi sistemy. Kiev, Izd-vo Akad. nauk
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1. Akademiya nauk USSR (for Kavetskiy).
(NERVOUS SYSTEM) (PHYSIOLOGY)

SOMCHYUR, N.F.; KRASNOVSKAYA, M.S. [Krasnovs'ka, M.S.]

Data on the problem of typological characteristics of the nervous system
in dogs of various breeds. Fiziol. zhur. [Ukr.] 10 no.3:314-321 My-Je
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stitutu fiziologii im. A.A.Bogomol'tsa AN UkrSSR, Kiyev.

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Electric Discharges

Testing of tube dischargers. Elek, sta.23 No.2, 1952.

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V. A., ENG., GORSHTEYN, M. D., ENG., GUMENYEVICH, V. I., ENG., KULEV, N. V., ENG.,
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Periodicity of repairing cutouts. Elek. sta. 23 no. 3, 1952.

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PA 55/49T52

USSR/Engineering
Insulators
Defects

Jan 49

"Reconditioning of Mastic-Treated Lead,"
V. L. Solodynk, M. G. Solov'yev, Engineers,
2 pp

"Elek Stants" No 1

Lists a number of breakdowns of porcelain
insulators on oil-breaker leads since 1944.
Describes attempts to eliminate cause of
breakdowns--improper bonding of mastic on
porcelain. Concludes normal voltage tests

55/49T52

USSR/Engineering (Contd)

Jan 49

are not adequate for mastic-treated leads;
Sobering bridge reveals moisture and aging
on bakelite, and low dielectric character-
istics in mastic. Further research necessary
to develop methods for testing mastic which
will reveal defects when they first appear.

55/49T52

301 000000, N. A.

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NIKOV, K.L.; PROMYSLOV, V.F.; SMIRNOV, N.N.; SKACHKOV, I.A.; SOLOF-
NENKO, N.A.; SUSNIKOV, A.A.; CHAGIN, D.A.; KUCHERENKO, V.A., obshchiy
red.; GRISHMANOV, I.A., obshchiy red.; SVETLICHNIYY, V.I., obshchiy
red.; RUBANENKO, B.R., obshchiy red.; BARSKOV, I.M., red.; UDOD,
V.Yu., red. izd-va; YUDINA, L.A., red. izd-va; GOLOVKINA, A.A., tekhn.
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(Europe, Western--Building)

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[Regional planning; problems of planning industrial regions]
Raionnaya planirovka; voprosy planirovki promyshlennykh
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(Regional planning)

SOLOFHEIKO, N.A., kand.arkhitektury

Geography of the ~~building~~ of cities. Nauka i zhizn' 27
no.9:22-24 S '60. (MIRA 13:9)
(City planning)

ABRAMOVICH, A.D., kand. tekhn. nauk; ANTONOV, M.F., kand. tekhn. nauk; KAPLAN, G.A., inzh.-ekonomist; LEVIN, S.M., inzh.-zemleustroitel'; LISTENGURT, F.M., kand. geogr. nauk; SAMOYLOV, Ya.F., kand. tekhn. nauk; SMOLYAR, I.M., kand. arkhitek.; SOLOFNIKO, M.A., kand. arkht.; STERLIGOV, V.D., kand. arkht.; FOLEYEV, V.G., inzh.; Prinimali uchastiye: BUTUZOVA, V.F.; GLABINA, N.K.; GOL'DSHTEYN, A.M.; DEMYANOVSKIY, V.S.; KAPLAN, G.L.; FEDOTOVA, N.A.; TSEYTLIN, G.I.; BURLAKOV, N.Ya., red.; KOMPANEYETS, Z.N., red. izd-va; GOLOVKINA, A.A., tekhn. red.

[Regional planning of economic administrative regions, industrial regions and centers; planning guide]Raionnaya planirovka ekonomicheskikh administrativnykh raionov, promyshlennykh raionov i uzlov; rukovodstvo po proektirovaniyu. Pod red.N.IA.Burlakova. Moskva, Gosstroizdat, 1962. 266 p. (MIRA 15:10)

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BURLAKOV, N.Ya., inzh.; KAPLAN, G.A., inzhener-ekonomist; LISTENBURT, F.M.,
kand.geogr. nauk; SMOLYAR, I.M., kand. arkhitektury; SOLDATOV, S.I.,
kand. arkhitektury; SOLOFNENKO, N.A., kand. arkhitektury;
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'63. (MIRA 16:8)

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 ALABYAN, Ye.A., red.; BOGORAD, D.I., red.;
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 K.P., red.; OREKHOV, V.M., red.; FOGREBOV, S.N., red.;
 SLIVAK, I.M., kand. tekhn. nauk, red.; STANISLAVSKIY,
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(Pipelines)

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and ~~suction~~ ^{suction} dredge ~~apparatus~~ ^{apparatus}." Len, 1960 (Len Order of Lenin Inst of Engineers of
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1. Institut gornogo dela AN GruzSSR, Tbilisi.
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62 p.

(MLRA 6:5)

(Building materials)

SOLOGUB, A.M.

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(WATER SUPPLY
in Russia, hyg. evaluation of reservoir (Rus))

USSR/General Biology. General Hydrobiology.

B-6

Abs Jour : Ref Zhur-Biol., No 16, 1958, 71683

Author : Drachev, S. M., Kabanov, N. M., Sologub, A. M.

Inst : Moscow Society of Naturalists.

Title : The Influence of Underwater Vegetation on the
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Orig Pub : Byul. Mosk. o-va ispyt. prirody. Otd. biol.,
1957, 62, No 2, 31-38

Abstract : Laboratory tests and observations of reser-
voirs showed that underwater organic substan-
ces, such as soil humates, herbaceous and tree
vegetation, impair the quality of the water,
decrease its transparency, increase the color
and contribute to odor and taste. The charac-
teristics are analysed of the influence on the

Card : 1/2

SOLICITOR, ... (Name of Solicitor) "The ... of the ...
... of the ... (public service ...)
... supply"
... (Name of Solicitor), ... (Date), 120)

- 9 -

DRACHEV, S.M., prof.; ITSKOVA, A.I., kand.med.nauk; SOLOGUB, A.M.,
kand.med.nauk

Some hygienic problems of water supply in conditions of the
Far North. Gig. i san. 25 no.7:95-97 JI '60.

(MIRA 14:5)

1. Iz Instituta obshchey i kommunal'noy gigiyeny imeni A.N.
Sysina AMN SSSR.

(RUSSIA, NORTHERN—WATER SUPPLY)

SOLOGUB, D.M. [Solohub, D.M.], inzh.

Reaction centrifuge with axial rendering of oil. Mekh. sil'. hos.
9 no.4:19-20 Ap '58.

(MIRA 11:5)

(Centrifuges) (Lubrication and lubricants)

SOLOGUB, D.M. [Solohub, D.M.], inzh.-mekhanik

Single-axle semitrailer for tractors. Mekh.sil'.hosp. 10
no.11:24-25 N '59. (MIRA 13:3)
(Tractors--Trailers)

SOLOGUB, D.M.

Automatic hitches for connecting semitrailers with tractors.
Trakt.i sel'khoz mash. 30 no.2:8-9 F '60.

(MIRQ 13:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii
i elektrifikatsii sel'skogo khozyaystva.
(Agricultural machinery)

POLISECHUK, A.M., inzh.; SOLOGUB, D.M. [Solohub, D.M.]

Thinning machine for sugar beet fields. Mekh. sil'. hosp. 13
no.4:11-12 Ap '62. (MIRA 17:3)

SOLOGUB, D.M.

Mechanization and automation of the control of tractor trailers.
Trakt.i sel'khoz mash. 32 no.4:29-31 Ap '62. (MIRA 15:4)

1. Ukrainskiy nauchno issledovatel'skiy institut mekhanizatsii
i elektrifikatsii sel'skogo khozyaystva.
(Tractors - Trailers)

SOLOGUB, D.M., inzh.

Effect of a semitrailer on the lateral stability of a balloon-type tractor. Mekh. i elek. sots. sel'khoz. 21 no.3:5-7 '63.
(MIRA 16:8)

1. Ukrainskiy filial Gosudarstvennogo vsesoyuznogo nauchno-issledovatel'skogo tekhnologicheskogo instituta remonta i ekspluatatsii mashinno-traktornogo parka.
(Tractors)

18(5), 25(1)

AUTHOR:

Sologub, D. P. and Fomin, A. G., Engineers

SOV/135-59-6-14/20

TITLE:

Machine Tool for Oxygen-cutting Pipe

PERIODICAL:

Svarochnoye Proizvodstvo, 1959, Nr 6, p 41 (USSR)

ABSTRACT:

A new type of machine-tool is described for tubes with a diameter of 100-500 mm which has been invented, constructed and introduced by the Machine-Building Plant imeni Ordzhonikidze, Podol'sk. The Plan of the work-bench is given in Figure 1. Figure 2 is a photograph of the work-bench. The authors state that the new work-bench introduced by this plant renders a possibility of mechanical cutting by a tube oxygen-cutting machine instead of manual cutting. In applying the new work-bench the working productivity is raised 2 to $2\frac{1}{2}$ times. there is 1 diagram and 1 photograph.

ASSOCIATION:

Podol'skiy mashinostroitel'nyy zavod imeni Ordzhonikidze (Machine-Building Plant ~~imeni~~ Ordzhonikidze, Podol'sk)

Card 1/1

Автоматическая сварка, Л.С.С.С.С.

Automatic welding of round hollow parts without supporting
rings. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst.
nauch. i tekhn. inform. 14 no.7.21-23 31 '65. (MIRA 1969)

MITROFANOV, S.I.; RATNIKOVA, O.A.; GLAZUNOV, L.A.; SOLOGUB, D.V.

Ore dressing flow sheet at the Altyn-Topkan lead and zinc plant.

TSvet. met. 36 no.7:1-7 J1 '63. (MIRA 16:8)

(Altyn Topkan—Ore dressing)

SOLOGUB, F.S.

Some remarks on railroad-car track indicators. Put' i put.khoz.
no.10:36 0 '58. (MIRA 11:12)

1. Nachal'nik vagona-puteismeritelya, g. Svobodnyy Amurskoy dorogi.
(Railroads--Equipment and supplies)
(Railroads --Track)

SOLOGUB, I.M.

Russian physicians in prerevolutionary Turkmenistan. Zdrav.Turk.
6 no.4:44-46 J1-Ag '62. (MIRA 15:8)
(TURKMENISTAN--PHYSICIANS)

| 1ST AND 2ND ORDER | | PROCESSES AND PROPERTIES INDEX | |
|---|--|--------------------------------|--|
| BC | | R-3 | |
| <p>Condensation of methyl heptyl ketone with phenylacetylene. N. M. MALINOV and I. V. SOLOVUS</p> <p>(J. Gen. Chem. Russ., 1955, 3, 1904—1908).—C₁₀H₁₈ and Me n-heptyl ketone (I) yield β-hydroxy-β-phenylacetylphenolone (II), b.p. 160°/5 mm., by the Grignard reaction. (II) regains C₁₀H₁₈ and (I) with boiling 15% KOH, and gives β-phenylacetylphenol-β-oxone (III), b.p. 141—142°/5 mm., with Ac₂O (at the b.p.; 4 hr.). (III) and AcO₂H at 0° yield β-dihydroxy-β-phenylacetylphenolone, m.p. 76°, and its β-O-Ac derivative, b.p. 187°/5 mm. R. T.</p> | | | |
| <p>AD-114 METALLURGICAL LITERATURE CLASSIFICATION</p> | | | |

SOLOBOB, I: MALENCK N

"The Synthesis of Hexylphenyl Acetylenyl Carbinol." Zhur Obshch. Khim., 10, No.2, 1940.
Chair of Organic Chemistry, Minsk State Medical Institute. rcd. 2 July 1939.

Report U-1526, 24 Oct. 51

[illegible]

[illegible]

MALENOK, N.M.; SOLOGUB, I.V.

Oxidation of vinylacetylene hydrocarbons with organic hydrogen peroxides.
Part 1. Oxidation 4-phenylethynylheptene-3 with acetylhydroperoxide. Zhur.
ob.khim. 23 no.7:1129-1131 J1 '53. (MLRA 6:7)

1. Kafedra organicheskoy khimii Minskogo meditsinskogo instituta.
(Oxidation) (Heptene derivatives)

Sologub, I. V.

4

Chem Hydration of 5-decyn-4,7-diol by the Kucherov reaction.
N. M. Malenok and I. V. Sologub. *J. Gen. Chem. U.S.S.R.*
25, 2185-7 (1955) (Eng. translation).—See *C.A.* 50, 9370i.
H. M. R. *PM*

Hydration of 5-decyne-4,7-diol by the Kucherov reaction.
M. M. Malenok and I. V. Sologub (Med. Inst., Minsk).
Zhur. Obshchei Khim. 35, 2226-6 (1965). To 70 g. 5-
 decyne-4,7-diol was added 288 g. aq. HgSO_4 (5 g. HgO , 25 g.
 H_2SO_4), and 170 ml. H_2O and the mixt. was heated 3 hrs. at
 60-70°, cooled, and extd. with Et_2O , yielding 20.4 g. 2,5-
 dipropyl-1,4-dihydro-3-furanone, b_p 65-6°, d_4 0.9324, n_D^{20}
 1.4398 (semicarbazone, m. 103-4°, 2,4-dinitrophenylhydrazane,
 m. 91-5°), and 12 g. 4-decen-7-ol-6-one, b_p 83°, d_4 0.8308,
 n_D^{20} 1.4603 (2,4-dinitrophenylhydrazane, m. 116-18°). Oxi-
 dation of the latter with KMnO_4 gave HCO_2H and PrCO_2H .
 G. M. Kosolapoff

RM

KUSEN', S.I.; SOLOGUB, L.I. [Solohub, L.I.]

Content of carbohydrate-phosphorus metabolism products in the liver and blood of cattle as related to age. Ukr. biokhim. zhur. 37 no.3:437-446 '65. (MIRA 18:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh, L'vov.

Country : USSR
 Category : Human and Animal Physiology.
 Abs. Jour. : Nerve and Muscle Physiology.
 : Ref Zhur-Biol., No 23, 1956, 106743
 Author : Sologub, N. I.
 Institut. : Leningrad University.
 Title : Electrophysiological Indicators of Physiologic
 : Nerve Lability and Their Modifications as Para-
 : biotic Development Occurs.
 Orig Pub. : Vestn. Leningr. un-ta, 1957, No 15, 97-118
 Abstract : The isolated blended trunk of a frog's sciatic
 : nerve served as the object of investigation.
 : In some of the experiments, individual spinal
 : cord nerve roots (VIII-X) were irritated by
 : electric impulses and the biopotentials of ti-
 : bial and fibular nerves were recorded, as well
 : as of the tibial nerve's deep branch. Weak (100
 : mv) and moderate frequency impulses (90 imp/sec)
 : produced an initial transformation. Medium
 : strong impulses (200-300 mv) produced a number

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| | | | |
|------------|---|---|---|
| Country | : | USSR | |
| Category | : | Human and Animal Physiology. | T |
| | : | Nervous and Muscle Physiology. | |
| Abs. Jour. | : | Russk. Biol., No 23, 1958, 106743 | |
| Author | : | | |
| Institut. | : | | |
| Title | : | | |
| Orig. Pub. | : | | |
| Abstract | : | | |
| (cont) | : | sure. It appeared only when impulse duration was prolonged. If the impulse lasted 2-3 sec, a second reduced commissure appeared in response to circuit breaking. Further increases of time length of the impulse led to reduction of the reaction's amplitude in response to closure and to increased reaction in response to breaking of the circuit. Normally, the diapason of alternating rhythms began at 250 imp/sec and | |
| Card: | : | 3/6 | |

Country : USSR
 Category : Human and Animal Physiology.
 Nerve and Muscle Physiology.
 Abs. Jour. : Ref Zhur-Biol., No 23, 1955, 106740
 Author :
 Institut. :
 Title :

Orig. Pub. :

Abstract :
 (cont)

terminated at F of about 800 imp/sec. Twenty-one minutes after total alteration with a 1.7 percent CaCl_2 solution, their diapason was displaced into the direction of lower F, 122-240 imp/sec. The magnitude of the maximal rhythm (LR) which were determined on the basis of initial transformation and disappearance of electric reaction as parabiosis developed, were not identical. At the first parabiosis phase, the

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| | | |
|----------------|--|---|
| Country : | USSR | |
| Category : | Physiol. and Medical Physiology. | T |
| | Nerve and Muscle Physiology. | |
| Abstr. Jour. : | Sov. Union-Biol., No 23, 1957, 106743 | |
| Author : | | |
| Institut. : | | |
| Title : | | |
| Orig. Pub. : | | |
| Abstract : | | |
| (cont) | <p>disposition of optimal rhythms became wider leading into the direction of high as well as of low F. Simultaneously, some increase of MI was observed. At the second phase of parabiosis development, a reduction of the optimal rhythms' F limits was noted which was accompanied by a decrease of MI. A two-phase development of lability modifications was observed which occurred outside of the irritation point and within the</p> | |

SOLOGOB, M.I.

Changes in the frequency characteristics of the functional state
of a nerve during the development of parabiosis. Uch zap. LGU
no.222:65-74 '57. (MLRA 10:8)

1. Kafedra fiziologii cheloveka i zhivotnykh Leningradskogo
Gosudarstvennogo universiteta.
(NERVOUS SYSTEM) (ELECTROPHYSIOLOGY)

SOLOGHE, M.I., Cand Biol Sci -- ~~XXL~~ (diss) "Electrophysiological indicators of ~~the~~ functional nerve mobility (lability)." Len, 1956
1b op (Len order of Lenin State Univ, im/ A.A. Zhdanov) 12⁺ copies
(KL, 23-56, 104)

- h 1 -

SOLOGUB, M. I.

Simple timer & voltage calibrator for electronic oscillographs. Fiziol.
zhur. 44 no.2:175-176 P '58. (MIRA 11:5)

1. Nauchno-issledovatel'skiy institut fizicheskoy kul'tury, Leningrad.
(OSCILLOMETRY, appar. & instr.
simple timer & voltage calibrator for electronic
oscillograph (Rus)

SOLOGUB, M.I.

New electronic stimulants for measuring physiological lability
and the refractive phase at the point of excitation and aside of
it. Uch. zap. LGU no.239:47-58 '58. (MIRA 12:1)

1.Laboratoriya fiziologii nervnoy sistemy Fiziologicheskogo instituta
Leningradskogo gosudarstvennogo universiteta.
(ELECTROPHYSIOLOGY)
(ELECTRONIC APPARATUS AND APPLIANCES)

SOLOGUB, M.I.

Electrometric d.c. amplifier for the investigation of intracellular potentials with the aid of microelectrodes. *Fiziol.zhur.* 46 no.1: 111-114 Ja '60. (MIRA 13:5)

1. From the laboratory fo radiobiology of the biological Institute and the laboratory of physiology of nerval system of the institute at the A.A. Zhdanov University, Leningrad.
(ELECTROPHYSIOLOGY equipment & supply)

SOLOGUB, M.I.

Intracellular potentials of an altered muscle fiber. Fiziol. zhur.
47 no.3:374-381 Mr '61. (MIPA 14:5)

1. From the State University, Leningrad.
(MUSCLE)

Electrical responses and spontaneous activity of a nerve
at the place of stimulation. Sov. nat. (Leningrad) 1961, 3.
9-30 '64.

1. Laboratoriya fiziologii nervov i sredi
Instituta medicinskih nauk
universiteta. St. Petersburgskogo
akademicheskogo

Page 11 of 11

Intracellular structure of the parasite, which has been observed during the course of cultivation. Histologia 5 no.5:530-537, 1962. (MIR, 16:5)

1. Intracellular structure of the parasite, which has been observed during the course of cultivation. Histologia 5 no.5:530-537, 1962. (MIR, 16:5)

SOLOGUB, M.I.

Changes in the intracellular resting potential of muscle fibers
due to the effect of X rays of various dosage. Vest. LGU 17
no.15:138-145 '62. (MIRA 15:8)
(X RAYS--PHYSIOLOGICAL EFFECT) (MUSCLE) (ELECTROPHYSIOLOGY)

SOLOGUB. . .

Optimum and pessimum of the bioelectric reaction of the sensory
nerve cell in intracellular leading off of potentials. Nerv. sist.
no. 4: 30-32 '63 (MIRA 18:1)

1. Fiziologicheskii institut Leningradskogo universiteta.

SOLOV, M.I.

Intracellular bioelectric reactions of the sensory nerve cell
in changes of the characteristics of electric stimulation. Nerv.
sist. no.5:40-46 '64. (MIRA 18:3)

1. laboratoriya fiziologii nervnoy sistemy Leningradskogo gosudarstvennogo universiteta.

KAS'YANOV, V.L.; SOLOGUB, M.I.

Microelectrode study of intracellular potentials of the unfertilized egg cell in *Rana temporaria*. Vest. LGU 20 no.9:5-12 '65.
(MIRA 18:6)

L 28049-66

ACC NR: AP6018175

SOURCE CODE: UR/0239/65/051/006/0686/0692

AUTHOR: Sologub, M. I.

ORG: State University im. A. A. Zhdanov, Leningrad (Gosudarstvenniy universitet)

TITLE: Intracellular rest potentials of surviving sensory neurons

SOURCE: Fiziologicheskiy zhurnal, v. 51, no. 6, 1965, 686-692

TOPIC TAGS: neuron, electrophysiology, neurophysiology

ABSTRACT The intracellular rest potentials (RP) of sensory nerve cells VIII and IX of the spinal ganglion of frogs that had been isolated together with the peripheral nerve and anterior radix and placed into a flowing Ringer solution were determined by means of microelectrodes during the process of survival (5 min - 4 hrs). The initial value of RP reached 70 mv. It then increased, sometimes up to 80 mv, and after this decreased to a critical level, whereupon a precipitate drop took place. In some experiments the sign of the RP was reversed after the precipitate drop and the value of RP returned to zero. The abrupt decrease of RP followed by a reversal of sign resembled those observed in connection with generation of an action potential, so that a common mechanism for the two processes may be assumed that is associated with entrance of Na^+ ions into the cell. On

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UDC: 612.819.84

L 28049-65

ACC NR: AP6018175

the basis of the experimental results and data given in the literature, the following five-stage sequence of changes in the RP, which reflects alterations in the functional state of the cell under the effect of factors of the environment, apparently occurs in surviving cells of all types (nerve cells, muscle fibers, etc): 1) an increase in RP; 2) a stage of stable RP; 3) a slow decrease of RP to a critical level; 4) a precipitate decrease of RP; 5) reversal of RP. Orig. art. has: 3 figures and 1 table. JPRS

SUB CODE: 06/ SUBM DATE: 06Apr64/ ORIG REF: 010/OTH REF: 014

Card 2/2 CC

SOLOGUB, M.I.

Intracellular action potentials and lability of the surviving
sensory neuron. Fiziol.zhur. 51 no.11:1291-1300 N '65.
(MIRA 18:11)

1. Gosudarstvennyy universitet imeni A.A.Zhdanova, Leningrad.

PREYS, G.A.; SOLOGUB, N.A.

Lengthening the life of plunger pump valves for lime milk .
Sakh. prom. 33 no.11:48-49 N '59 (MIRA 13:3)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti
imeni Mikoyana (KTIPP)
(Sugar machinery) (Valves)

PREYS, G.A.; SOLOGUB, N.A,

Analysis of the wear of certain parts of a beet-sugar factory
equipment. Trudy KTIPP no.22:56-68 '60. (MIRA 14:3)
(Sugar industry--Equipment and supplies)

PRHYS, G.A.; SOLOGUB, N.A.

Prospects for the use of kapron in the equipment of
sugar factories. Sakh.prom. 34 no.8:12-16 Ag '60.
(MIRA 13:8)

1. Kiyevskiy tekhnologicheskoy institut pishchevoy
promyshlennosti.
(Sugar industry—Equipment)

SOLOGUB, N.A.

Replacement elements of fast-wearing parts in the equipment
of sugar factories. Sakh. prom. 34 no. 12:46-49 D '60.
(MIRA 13:12)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti
imeni Mikoyana.
(Sugar machinery)

SOLOGUB, N.A.

Analyzing the materials of the friction parts of technological equipment in sugar manufactures and conditions of their operation. Trudy KTIPP no.24:115-119 '61. (MIRA 15:6)
(Sugar industry—Equipment and supplies) (Materials—Testing)

SOLOGUB, N.A.

Analyzing the wear of plunger pump parts in sugar factories.
Trudy KTIPP no.25:77-83 '62. (MIRA 16;5)
(Pumping machinery--Testing) (Sugar industry--Equipment and supplies)

PREYS, G.A.; SOLOGUB, N.A.

Wear of the technological equipment in sugar factories. Izv. vys.
ucheb. zav.; pishch. tekhn. no.2:119-122 '63.

(MIRA 16:5)

1. Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti,
kafedra tekhnologii metallov.
(Sugar factories—Equipment and supplies)

2. 600, 601.

Testing the accuracy of models in releases. Study
KTR no. 27 177-189, 197, (MIRA 1978).

SOLOGUB, N.A.

Investigating the wear of metals in massecuite media. Sakh.
prom. 37 no.11:29-30 N '63. (MIRA 16:11)

1. Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti imeni Mikoyana.

KOZLOV, Ivan Stepanovich; SOLOGUB, Nikolay Avramovich; KOMAROV, M.S.,
doktor tekhnicheskikh nauk, retsenzent; ~~DOMIN~~, V.E., kandidat
tekhnicheskikh nauk, retsenzent; SERDYUK, V.K., redaktor;
RUDENSKIY, Ya.V., tekhnicheskii redaktor

[Machine-shop practice] Praktika slesarnogo dela. Kiev, Gos.
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 235 p.
(Machine-shop practice) (MIRA 10:9)

7(6), 7(0)

AUTHOR:

Sologub, N. A.

SOV/32-24-12-41/45

TITLE:

Measurement of the Micro Hardness of Samples With a Length up to 300 mm (Izmereniye mikrotverdosti obraztsov dlinoy do 300 mm)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12, pp 1521 - 1522 (USSR)

ABSTRACT:

The determination of the micro hardness of samples of larger dimensions (Refs 1,2) must be carried out on the PMT-3 apparatus with varying degrees of difficulty. To measure cylindrical test objects (diameter - 12 mm, length- 300 mm) in the work reported here the tube of the PMT-3 apparatus was combined with the essential sections of the UIM-21 universal microscope (Fig 1). This tube was fastened to the tube of the microscope using a specially prepared fastener in place of the ocular head piece (Fig 2). The infallible calculating apparatus beside the microscope makes possible a quick and exact placement of the test object under the edge of the

Card 1/2

Measurement of the Micro Hardness of Samples With a Length SOV/32-24-12-41/45
up to 500 mm

diamond pyramid by a displacement of the microscope stage. According to a report by Ye. S. Berkovich (Ref 4) vibrations from the PMT-3 apparatus can lead to measurement errors in testing. The sensitivity of the described arrangement was investigated and it was found that there were no observable vibrations of the diamond pyramid. There are 2 figures and 5 Soviet references.

ASSOCIATION: Kiyevskiy institut grazhdanskogo vozdushnogo flota (Kiyev
Institute of the Civil Air Fleet)

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SOV/32-25-4-35/71

28(5)

AUTHOR:

Sologub, N. A.

TITLE:

Simplifying the Shape of Samples for Testing Metals for Fatigue
(Ob uproshchenii formy obraztsov dlya ispytaniy metallov na
ustalost')

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4, pp 469-470 (USSR)

ABSTRACT:

III

Fatigue samples which have no head pieces but have the same cross section for the whole length are easier to be handled. To avoid a fracture of the samples of this kind in the supports, samples made of the heat-resisting alloy EI 435 and duralumin D 1 were hardened by rolling on the machine NU before the transverse-fatigue tests. The rolling was done on an arrangement (according to Ref 1) with rollers of steel ShKh 15 (diameter = 20 mm, profile radius = 6 mm). The tests in which V. Ya. Slobodyanyuk took part showed that the desired effect was reached with EI 435 whereas the duralumin samples broke. For this reason, the processing conditions of the latter were changed, and the following values were established as the best: rotation speed of the sample 120 rpm, feeding of the rollers 0.5 mm/rev,

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